

Buncombe County Schools Countywide LED Retrofit



Existing Fluorescent Lighting

- Consumes 30% more energy than LEDs
- 20% of BCS electrical work orders are for changing fluorescent bulbs and ballasts
- Contain mercury
- Emit UV rays
- Outdated and unattractive



Proposed LED Lighting

- LEDs use 30% less energy
- LEDs last 5x's longer than fluorescent bulbs/ballasts
- LEDs do not contain mercury
- LEDs do not emit UV rays
- Less maintenance = cost savings
- Clean/modern look

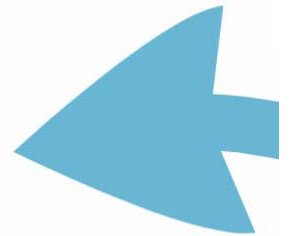
BCS Central Office



Before



After

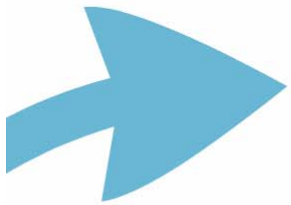


C.D. Owen High School



Before

After





Buncombe County Schools Countywide LED Retrofit

Proposed Project



- Retrofit +/- 47,000 lights
- 38 buildings
- Project cost: \$5.6 million
- Utility rebate: \$2.3 million
 - Rebate fluctuations
- Annual energy savings: \$911,000
- Payback: < 4 years
- Timeline: 2 years
- Plan: Install in-house by hiring 2 full-time electricians